Index of Claims

Allowed

| Appl | icati | on/Co | ntrol | No. |
|------|-------|-------|-------|-----|

10/849,509 Examiner

Alton N. Pryor

Applicant(s)/Patent under Reexamination

MUDGE, LAURENCE C.

Art Unit

1616

Rejected - (Through numeral)
Cancelled

Cancelled

N Non-Elected

A Appeal

Restricted

I Interference

O Objected

| Cla          | aim      | Date     |              |          | Cli     | Claim Date                                 |              |          |          |              |          |              |          | _                                                | Ci           | aim                                              | Date     |               |          |          |          |          |             |          |                 |                 |           |          |          |          |          |          |               |
|--------------|----------|----------|--------------|----------|---------|--------------------------------------------|--------------|----------|----------|--------------|----------|--------------|----------|--------------------------------------------------|--------------|--------------------------------------------------|----------|---------------|----------|----------|----------|----------|-------------|----------|-----------------|-----------------|-----------|----------|----------|----------|----------|----------|---------------|
| — <u>"</u>   |          |          |              |          |         | <u>                                   </u> | $\vdash$     | Date     |          |              |          |              |          |                                                  |              |                                                  |          | $\vdash$      |          | 7        | <u> </u> |          |             |          |                 | $\overline{}$   |           |          |          |          |          |          |               |
| Final        | Original | 8/10/06  |              |          |         |                                            |              |          |          |              |          | Final        | Original |                                                  |              |                                                  |          |               |          |          |          |          | Final       | Original |                 |                 |           |          |          |          |          |          |               |
|              | 1        | 1        |              | ✝        | 1       | $\top$                                     | $\neg$       |          |          |              |          |              | 51       |                                                  |              |                                                  |          |               |          |          |          |          |             | 101      | П               | $\top$          | 寸         | 寸        |          |          | $\neg$   |          | $\overline{}$ |
|              | 2        | ħ        | 1            | $\top$   | $\top$  | $\top$                                     | 7            |          |          |              | П        |              | 52       | $\vdash$                                         | $\vdash$     | <del>                                     </del> | Н        | $\overline{}$ |          |          | Ħ        |          |             | 102      |                 | $\vdash$        | す         | 7        | _        |          | $\dashv$ |          | _             |
| _            | 3        | П        | 十            | ✝        | T       | $\top$                                     | T            |          |          |              |          | <u> </u>     | 53       | t                                                | T            |                                                  | H        |               | T        | H        | $\dashv$ | _        | <b></b>     | 103      |                 | $\vdash$        | 十         | $\neg$   |          |          | ᅥ        | _        | _             |
|              | 4        | Ħ        | $\top$       | 1        | +       | +                                          | ┪            |          |          | -            | H        | -            | 54       | T                                                | $\vdash$     | $\vdash$                                         |          |               | т        | -        | $\vdash$ | _        |             | 104      | Н               |                 | +         |          | $\neg$   |          | $\dashv$ | _        | $\overline{}$ |
| $\vdash$     | 5        | H        | T            | +        | +       | +                                          | _            |          |          | _            |          | <u> </u>     | 55       | -                                                |              | ┢                                                |          | _             |          |          | $\dashv$ | -        | <b>—</b>    | 105      | Н               | $\vdash$        | $\dashv$  | ᆉ        | -        | $\dashv$ | _        | _        | _             |
|              | 6        | Н        | +            | +        | +       | +                                          | -+           |          |          |              |          | -            | 56       | ┢                                                |              |                                                  |          |               |          |          | $\dashv$ | $\dashv$ | <b></b>     | 106      | Н               | $\vdash \vdash$ | +         | -        | $\dashv$ | -        | $\dashv$ | -        | $\overline{}$ |
|              | 7        | H        | 1,           | +        | ╁       | ╅                                          | $\dashv$     |          |          | $\vdash$     |          | <b>—</b>     | 57       | t                                                |              | H                                                |          |               |          |          |          |          | <b></b>     | 107      | Н               | -               | $\dashv$  | -        | _        |          | $\dashv$ | _        | $\overline{}$ |
| -            | 8        | Vé.      | 7            | ╁╴       | +       | ╅                                          | $\dashv$     |          |          | $\vdash$     |          |              | 58       | ╁                                                | ┢            | <del> </del>                                     | -        |               | -        | Н        | $\dashv$ | $\dashv$ |             | 108      | Н               | +               | +         | $\dashv$ |          |          | -        | _        | _             |
|              | 9        | -        | 1-           | +        | ╁       | +                                          | $\dashv$     |          |          | $\vdash$     |          |              | 59       | ┢╌                                               | ┢            | -                                                | Н        |               | Н        | $\vdash$ | $\dashv$ | $\dashv$ | <b>-</b>    | 109      | Н               | $\dashv$        | $\dashv$  | -        |          | $\dashv$ | -        | _        | _             |
| _            | 10       | 1        | *            | ╁        | +       | +                                          | $\dashv$     |          |          | <del> </del> | -        |              | 60       | ┝                                                |              | H                                                |          |               |          | $\vdash$ | $\vdash$ |          | <del></del> | 110      | Н               | $\dashv$        | +         |          |          | -        | $\dashv$ | -        | _             |
| <del> </del> | 11       | _        | 1            | +        | ╁       | +                                          | $\dashv$     |          |          | $\vdash$     | Н        | <del> </del> | 61       | -                                                | ├            | -                                                | _        | $\vdash$      | -        | Н        | $\vdash$ |          | <b>-</b>    | 111      | Н               | +               | $\dashv$  | -        |          | $\dashv$ | ᅱ        | _        | _             |
| $\vdash$     | 12       | Η.       | +            | +        | +       | +                                          | $\dashv$     | -        |          | <u> </u>     | $\vdash$ | <u> </u>     | 62       | $\vdash$                                         | $\vdash$     | $\vdash$                                         | Н        | $\vdash$      | H        |          | $\dashv$ | $\dashv$ | -           | 112      | Н               |                 | +         |          |          | $\dashv$ | $\dashv$ | -        | _             |
|              | 13       | -        | +            | +        | ╀       | +                                          | $\dashv$     | $\dashv$ |          |              | $\dashv$ | <u> </u>     | 63       | ╁                                                | <del> </del> |                                                  | $\vdash$ | -             | H        | Н        | $\dashv$ | $\dashv$ | -           | 113      | $\vdash$        |                 | +         | -        | $\dashv$ | $\dashv$ |          |          | _             |
|              | 14       | Н        | +            | ╁╌       | +-      | +                                          | $\dashv$     | -        |          |              | $\dashv$ | -            | 64       | ⊢                                                |              | $\vdash$                                         | Н        | $\vdash$      | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | -           |          | Н               |                 | +         | -        | $\dashv$ | $\dashv$ | -        | _        |               |
| -            | 15       | Н        | +            | ╁        | ╀       | +                                          | +            | $\dashv$ |          | $\vdash$     | Н        | <u> </u>     | 65       | ├                                                | -            | -                                                | $\vdash$ |               | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | $\vdash$    | 114      | $\vdash\vdash$  |                 | +         | 4        | -        |          |          |          | _             |
| <u> </u>     |          | Н        | +            | ╁        | ╀       | +                                          | +            | $\dashv$ |          | $\vdash$     | Н        | <u> </u>     |          | -                                                | -            | $\vdash$                                         | Н        |               | ш        | Ш        | $\dashv$ | -        | -           | 115      | $\vdash \vdash$ | $\vdash$        | +         | 4        | _        |          |          | _        | -             |
|              | 16       |          | <b>.</b>     | ╄        | +-      | +                                          | +            | _        |          | -            | $\dashv$ |              | 66       | ⊢                                                | _            | <u> </u>                                         | Н        |               |          | _        |          |          |             | 116      | Н               |                 | 4         | -        |          | _        | -        | _        | —             |
|              | 17       | 8        | 4            | ╀        | +-      | +                                          | +            | 4        |          | <u> </u>     | $\dashv$ | ļ            | 67       | ⊢                                                |              | L                                                | $\vdash$ | _             |          |          | _        | _        | <u> </u>    | 117      | Ш               |                 |           | _        | _        | _        | _        | _        | <u> </u>      |
|              | 18       | ┞        | ╄            | ╄        | +       | 4                                          | 4            | _        |          | Ь.           |          |              | 68       | L                                                |              | Щ                                                | Щ        | _             | Щ        |          | _        | _        | <u> </u>    | 118      | Ш               |                 | 4         | 4        | _        | _        | _        |          |               |
|              | 19       | Ļ        | <del>,</del> | ╄        | 4       | $\bot$                                     | 4            | _        |          |              | Ш        |              | 69       | _                                                |              |                                                  |          |               |          |          |          | _        | <u> </u>    | 119      |                 |                 | $\perp$   | _        |          | _        | _        |          |               |
|              | 20       | C        | 4_           | ╄        | 4       | 4                                          | 4            | _        |          |              | Ш        |              | 70       | L.                                               | L.           |                                                  |          |               |          |          |          | _        |             | 120      |                 |                 | $\bot$    | _        | _        | _        | _        |          |               |
|              | 21       | ŀ        | ┸            | ┺        | ╀       | ┸                                          | 4            | _        |          |              | Ш        |              | 71       | <u> </u>                                         |              |                                                  | Ш        |               |          |          |          |          |             | 121      |                 |                 | $\perp$   |          |          |          |          |          | _             |
|              | 22       | 1        | L            | L        | ↓_      | $\perp$                                    | 4            | _        |          |              |          |              | 72       | <u> </u>                                         |              |                                                  |          |               |          |          | $\Box$   |          |             | 122      |                 |                 | $\perp$   |          |          |          |          |          |               |
|              | 23       | Ц        |              | ┸        | $\perp$ | ┸                                          |              |          |          |              |          |              | 73       |                                                  |              |                                                  |          |               |          |          |          |          |             | 123      |                 |                 | $\perp$   |          |          |          |          |          |               |
|              | 24       | П        |              |          | ┸       | ┸                                          | $\perp$      |          |          |              |          |              | 74       |                                                  |              |                                                  |          |               |          |          |          |          |             | 124      |                 |                 | $\perp$   |          |          |          |          |          |               |
|              | 25       | Ц        | $\perp$      |          | _       | ┸                                          |              |          |          |              |          |              | 75       | L                                                |              |                                                  |          |               |          |          |          |          |             | 125      |                 |                 |           |          |          |          |          |          |               |
|              | 26       | Ц        |              |          |         |                                            |              |          |          |              |          |              | 76       |                                                  |              |                                                  |          |               |          |          |          |          |             | 126      |                 |                 |           |          |          |          | П        |          |               |
|              | 27       | Ц        |              |          |         |                                            |              |          |          |              |          |              | 77       |                                                  |              |                                                  |          |               |          |          |          |          |             | 127      |                 |                 | П         |          |          | П        |          |          |               |
|              | 28       | П        |              |          | Ι       |                                            |              |          |          |              |          |              | 78       |                                                  |              |                                                  |          |               |          |          |          |          |             | 128      |                 |                 | П         | T        |          |          | П        |          |               |
|              | 29       | П        |              |          | Г       |                                            | Τ            |          |          |              |          |              | 79       |                                                  |              |                                                  |          |               |          |          |          |          |             | 129      |                 |                 | T         | П        |          | $\Box$   |          |          |               |
|              | 30       | Π        | Τ            |          | Т       | Т                                          | T            |          |          |              |          |              | 80       |                                                  |              |                                                  |          |               |          |          |          |          |             | 130      |                 |                 | T         | $\neg$   | _        | 一        |          |          |               |
|              | 31       | Π        | П            |          | Τ       |                                            | Т            |          |          |              | $\Box$   |              | 81       |                                                  |              |                                                  |          |               |          |          |          |          |             | 131      |                 |                 | T         | ヿ        |          |          |          |          | _             |
|              | 32       | П        | Τ            |          | Τ       | Т                                          | П            |          |          |              |          |              | 82       | Π                                                |              |                                                  |          |               |          |          |          |          |             | 132      |                 |                 | 7         | $\neg$   |          | $\Box$   |          |          |               |
|              | 33       | П        |              |          | Γ       | T                                          | T            |          |          |              |          |              | 83       |                                                  |              |                                                  |          |               |          |          | $\neg$   | $\neg$   |             | 133      |                 | $\neg$          | $\top$    | 7        | $\dashv$ | _        |          |          | _             |
|              | 34       |          |              |          | Γ       | T                                          | T            |          |          |              | $\neg$   |              | 84       |                                                  |              |                                                  |          |               | $\Box$   |          | $\neg$   |          |             | 134      |                 | $\dashv$        | $\top$    | $\dashv$ |          |          | $\neg$   |          | _             |
|              |          | Ö        | Т            |          | T       | 1                                          | T            | T        |          |              |          |              | 85       |                                                  | П            |                                                  |          |               | $\neg$   |          |          |          |             | 135      |                 |                 | $\top$    |          | $\dashv$ | $\neg$   | $\neg$   |          |               |
|              | 36       | Γ        | Τ            |          | Τ       | Ť                                          | T            |          |          |              |          |              | 86       | Г                                                |              |                                                  |          |               |          |          | $\neg$   |          |             | 136      |                 | $\neg \uparrow$ | 十         | $\dashv$ | $\dashv$ | $\neg$   |          |          |               |
|              | 37       | C        | 7            | T        | T       | T                                          | 7            |          |          |              | $\neg$   |              | 87       |                                                  | П            | П                                                |          |               |          |          | $\dashv$ | $\neg$   |             | 137      | $\dashv$        | $\neg$          | $\top$    | $\dashv$ | 一        | _        | -        | -        | _             |
|              | 38       | Č        |              | T        | 1       | Ť                                          | $\top$       | $\dashv$ |          |              | $\neg$   |              | 88       | Π                                                | П            |                                                  | $\neg$   |               |          |          |          | _        |             | 138      | $\dashv$        |                 | $\dagger$ | 7        | ┪        | $\dashv$ |          | $\dashv$ |               |
|              | 39       | ľ        | 1            | T        | T       | T                                          | $\top$       | 寸        | $\neg$   | П            | $\neg$   |              | 89       |                                                  | П            | П                                                |          | _             | -        | +        | -        | $\neg$   |             | 139      | -               | $\neg +$        | $\dagger$ | $\dashv$ | $\dashv$ | -        | -        | $\dashv$ |               |
|              | 40       | T        | T            | T        | T       | Ť                                          | $^{\dagger}$ | _        |          |              | $\dashv$ |              | 90       | Г                                                | Н            | $\vdash$                                         |          | _             | $\neg$   | $\neg$   | $\neg$   | $\dashv$ |             | 140      |                 | $\dashv$        | +         | .        | $\dashv$ | $\dashv$ | $\dashv$ |          | _             |
| -            | 41       | T        | T            | t        | t       | Ť                                          | $\dagger$    | $\dashv$ | -        | $\vdash$     | $\dashv$ |              | 91       |                                                  | Н            | Н                                                |          |               | $\dashv$ |          | -        | $\dashv$ |             | 141      | $\vdash$        |                 | +         | $\dashv$ | ╛        | $\dashv$ |          | $\dashv$ |               |
| $\vdash$     | 42       | H        | 十            | t        | t       | Ť                                          | $^{+}$       | $\dashv$ |          | -            | $\dashv$ | <u> </u>     | 92       |                                                  |              | H                                                | 一        | -             |          | $\dashv$ | -        | $\dashv$ | $\vdash$    | 142      |                 | $\neg +$        | ╅         | $\dashv$ | ┪        | $\dashv$ | ┪        |          | -             |
|              | 43       | Ι-       | +            | †-       | T       | +                                          | $\dagger$    | $\dashv$ | $\neg$   | $\vdash$     | $\dashv$ |              | 93       |                                                  | Н            | $\vdash$                                         | $\dashv$ | $\dashv$      | $\dashv$ | -        | -        | $\dashv$ | -           | 143      | $\dashv$        | $\dashv$        | 十         | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _             |
|              | 44       | -        | +            | ✝        | $^{+}$  | +                                          | +            | ┪        |          |              | $\dashv$ | <b>——</b>    | 94       | $\vdash$                                         | Н            | $\vdash$                                         | $\dashv$ | $\dashv$      | $\dashv$ |          | $\dashv$ | $\dashv$ |             | 144      | $\dashv$        |                 | +         | ┥        | $\dashv$ | $\dashv$ | -+       | $\dashv$ |               |
| $\vdash$     | 45       | -        | ╁            | $\vdash$ | +       | +                                          | +            | $\dashv$ | $\dashv$ | $\dashv$     | ᅱ        |              | 95       | <del>                                     </del> | $\vdash$     | $\vdash$                                         | $\dashv$ | ᅱ             | $\dashv$ |          | -+       | $\dashv$ | $\vdash$    | 145      | -               |                 | +         | $\dashv$ | $\dashv$ | -        |          |          |               |
|              | 46       | $\vdash$ | +            | +-       | ╁       | +                                          | +            | -        | $\dashv$ | $\dashv$     | $\dashv$ | $\vdash$     | 96       | $\vdash$                                         | $\vdash$     | $\vdash$                                         |          | $\dashv$      | ᅱ        | $\dashv$ | $\dashv$ | $\dashv$ |             | 146      | $\dashv$        | +               | +         |          |          | -+       | $\dashv$ | $\dashv$ |               |
|              | 47       | $\vdash$ | ┿            | +-       | +       | ╁                                          | +            | -        | $\dashv$ | $\dashv$     | $\dashv$ | $\vdash$     | 97       | -                                                | Н            | $\vdash$                                         | $\dashv$ | $\dashv$      | $\dashv$ | -        | $\dashv$ | $\dashv$ |             | 147      | $\dashv$        | _  -            | +         | +        | $\dashv$ | $\dashv$ |          | $\dashv$ |               |
|              | 48       | ⊢        | +            |          | ╁       | ╁                                          | +            | -        | $\dashv$ | $\dashv$     | $\dashv$ | $\vdash$     | 98       |                                                  | $\vdash$     | $\dashv$                                         | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ | -+       | $\dashv$ | -           | 148      | $\dashv$        |                 | +         | $\dashv$ | -        | -        | -        |          |               |
|              | 49       | ⊢        | +            | 1        | ╁       | +                                          | +            | $\dashv$ | $\dashv$ |              | $\dashv$ | -            |          | H                                                | Н            | $\vdash$                                         |          |               |          | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$    |          | $\dashv$        | +               | +         | 4        |          |          | -        | $\dashv$ |               |
| $\vdash$     | 50       | ⊢        | +            | $\vdash$ | ╀       | +                                          | +            | $\dashv$ |          |              | $\dashv$ | -            | 99       | H                                                | $\dashv$     |                                                  |          |               |          | -        | -        | $\dashv$ | <u> </u>    | 149      |                 | +               | +         | 4        | -        | -        | 4        |          |               |
|              | 50       |          |              | 1        | 1_      | L                                          | 1            | L        |          | ]            | [        | i            | 100      |                                                  | 1            |                                                  | - 1      |               | - 1      | - 1      | - 1      |          | 1           | 150      |                 |                 | - 1       | - 1      | - 1      |          | - 1      | ľ        |               |